

FIG. 1

FIG. 2A is a block diagram of a network architecture. The architecture includes a PC (201) and a PC (202) connected to a Cable Modem (211). The Cable Modem (211) is connected to a CMTS (226) via a DOCSIS MAC (227) and a DOCSIS PMD (228). The CMTS (226) is connected to a Router (230) via an IP (222). The Router (230) is connected to a Router (241) via an IP (242). The Router (241) is connected to a PC (251) and a PC (252).

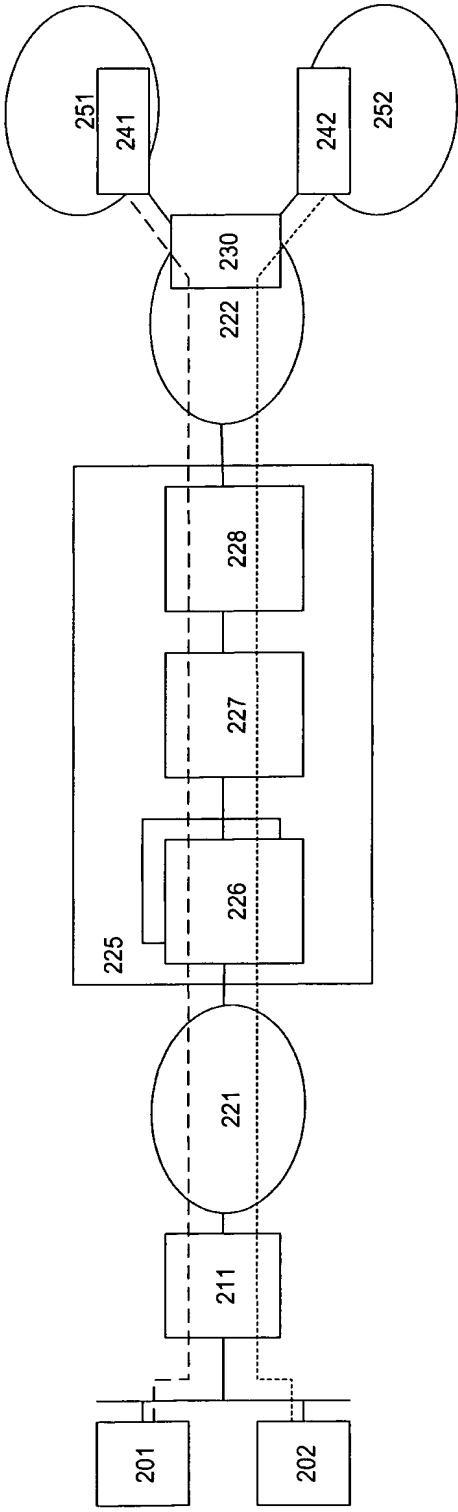


FIG. 2A

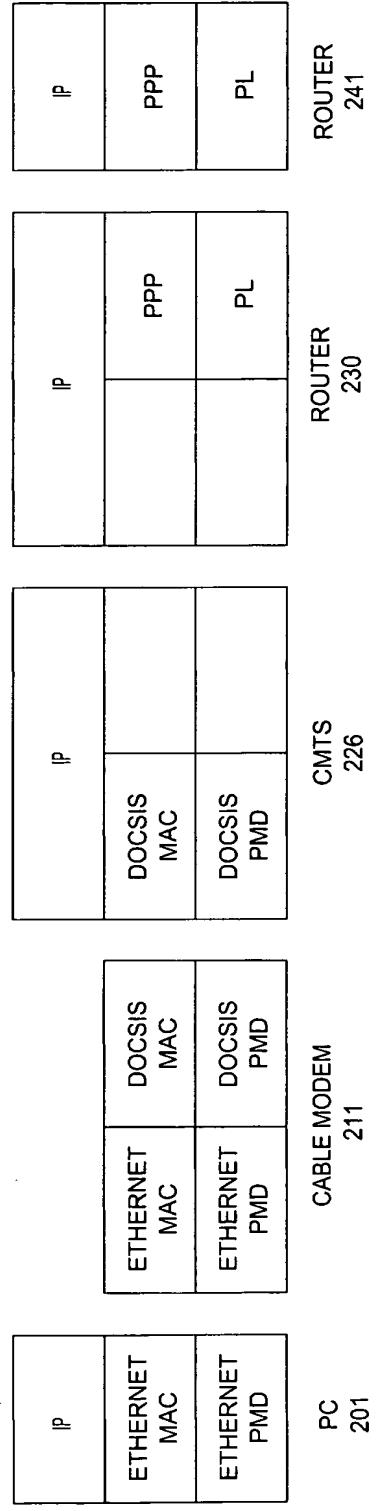


FIG. 2B

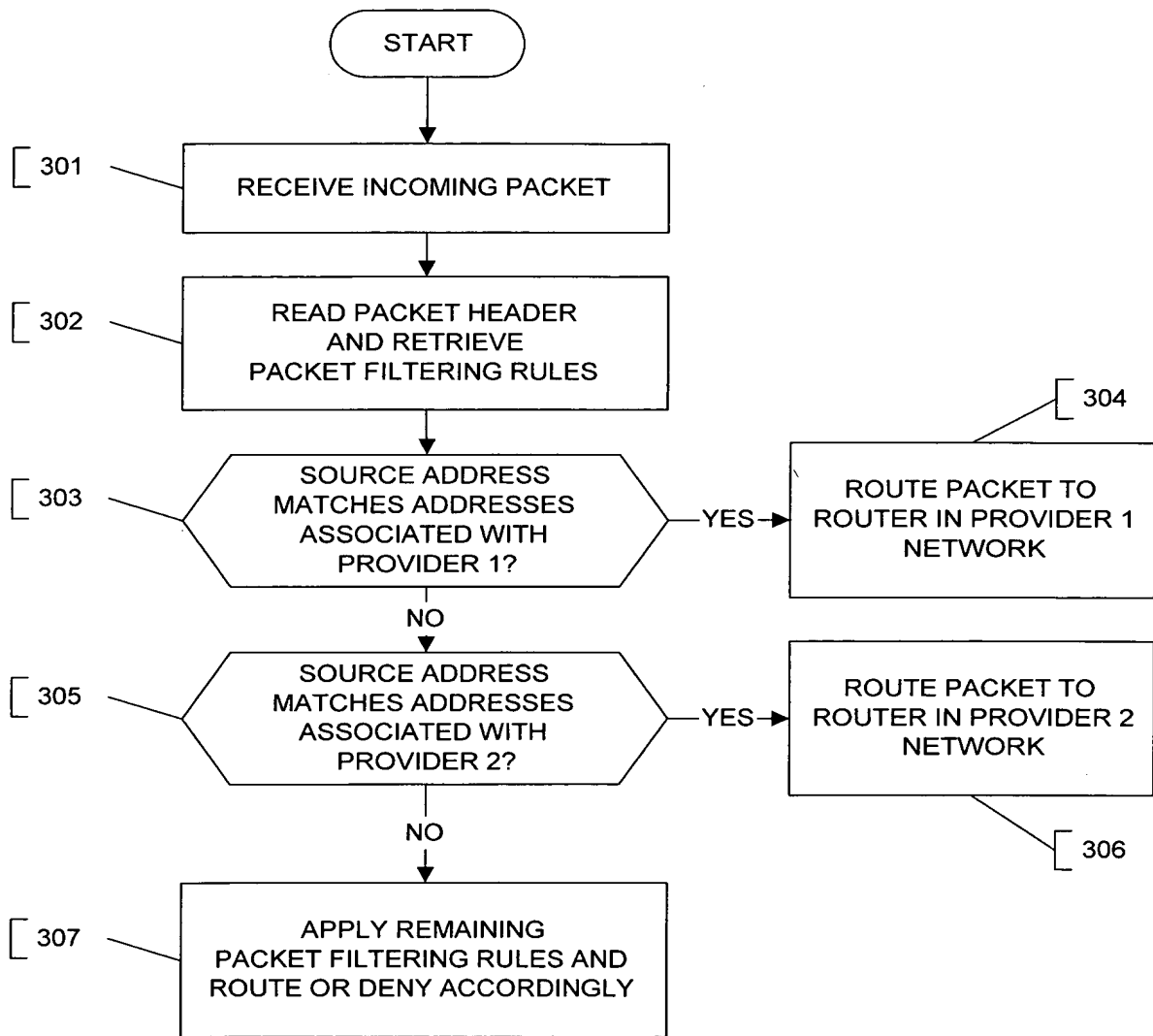
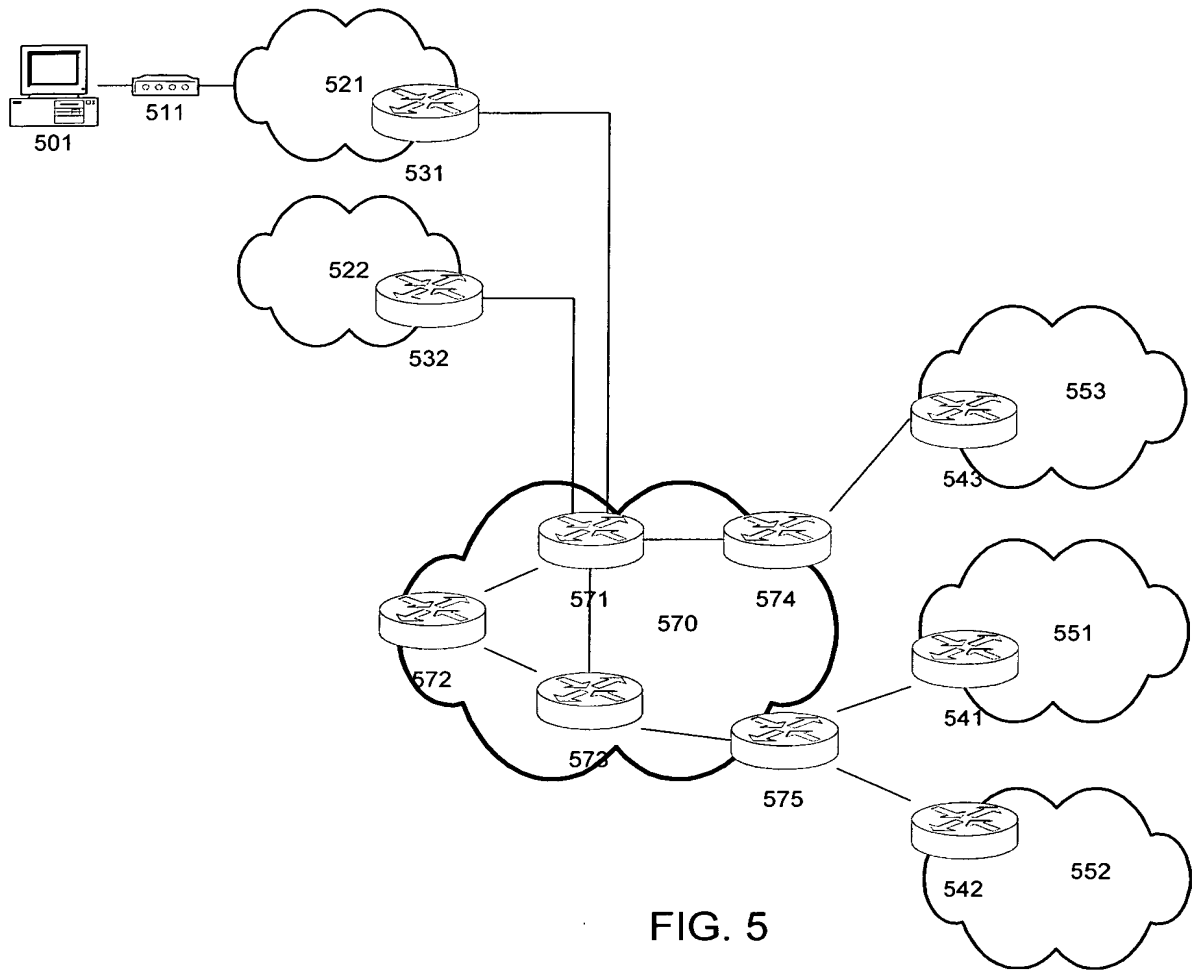


FIG. 3

```
401 interface cable x/y
402 ...
403 ip policy route-map source_route
404 ...
405 !

406 route-map source_route
407 match ip address isp1_subs
408 set ip next-hop isp1_next-hop_address
409 match ip address isp2_subs
410 set ip next-hop isp2_next-hop_address
411 ...
412 access-list isp1_subs permit isp1_prefix1
isp1_prefix1_wildcard any any
413 access-list isp1_subs permit isp1_prefix2
isp1_prefix2_wildcard any any
414 ...
```

FIG. 4



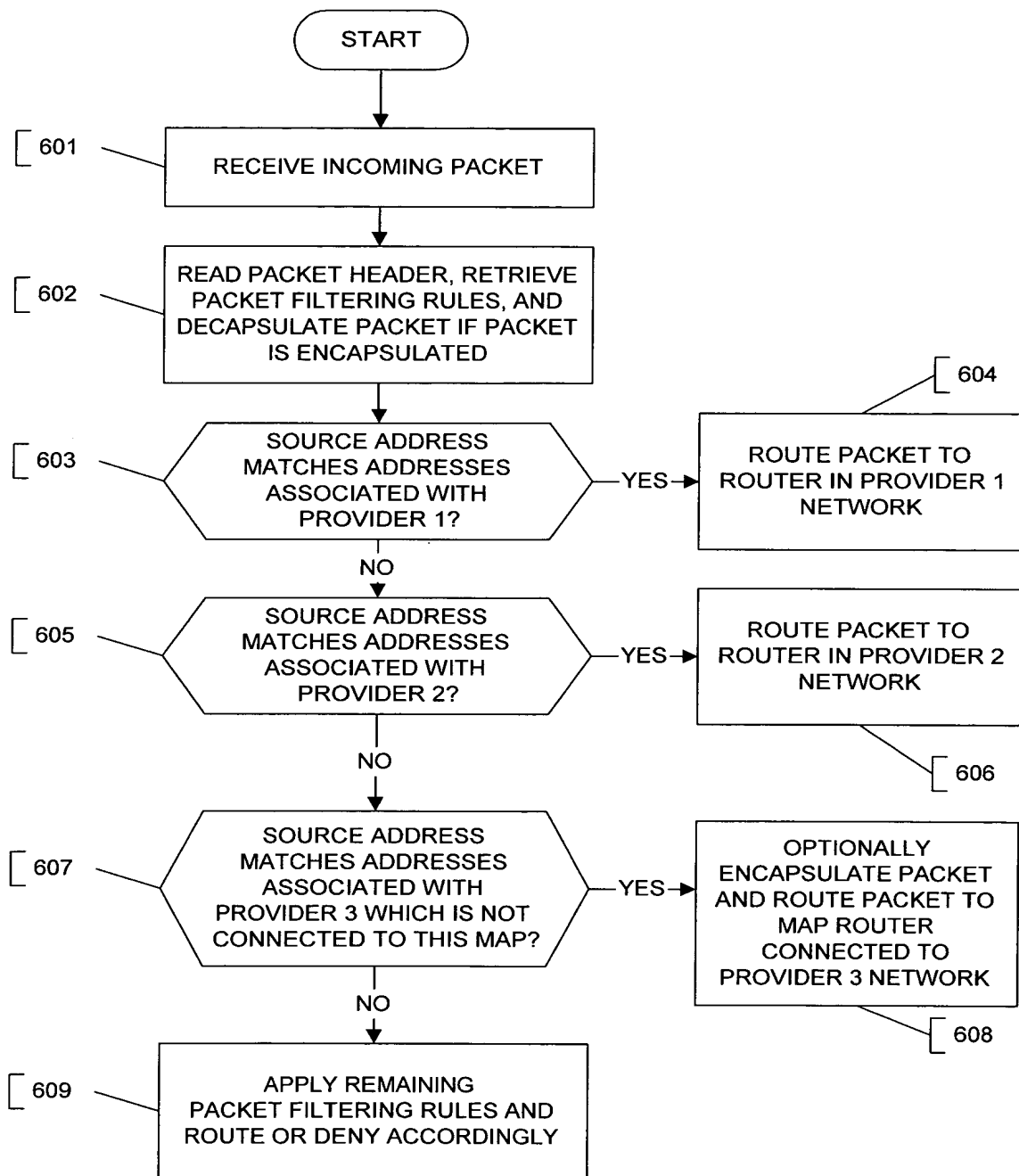


FIG. 6

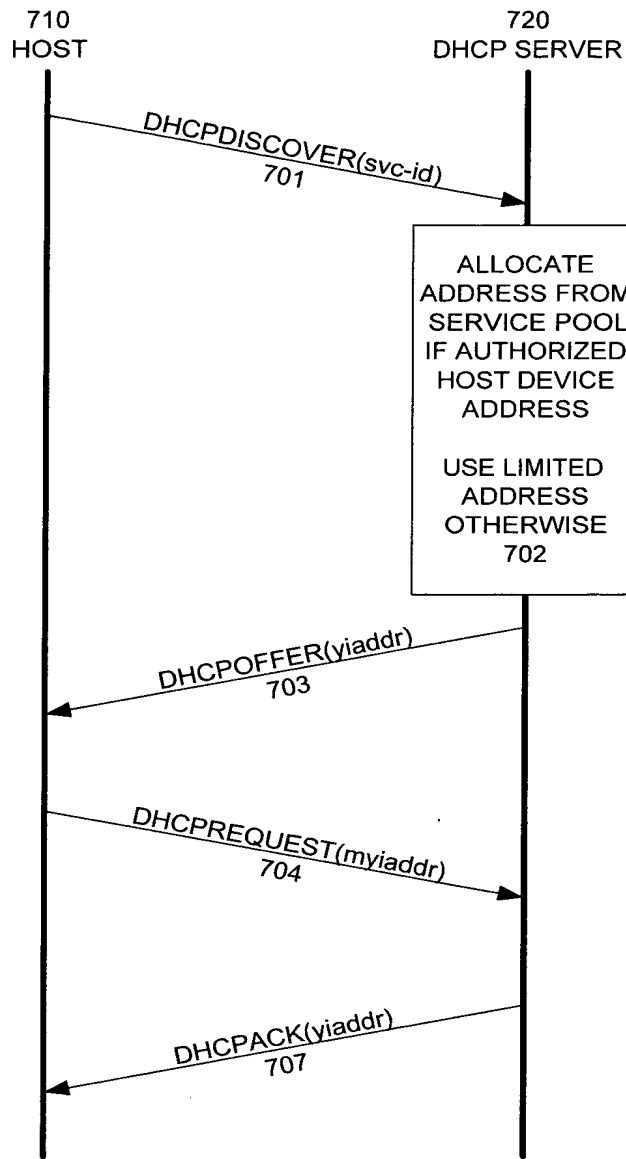


FIG. 7

op	htype	hlen	hops
xid 801			
secs		flags	
ciaddr 802			
yiaddr 805			
siaddr 806			
giaddr 807			
chaddr 808			
sname			
file			
options 810			
message type 815			
svc-id 820			
joe@xyz.com			

FIG. 8



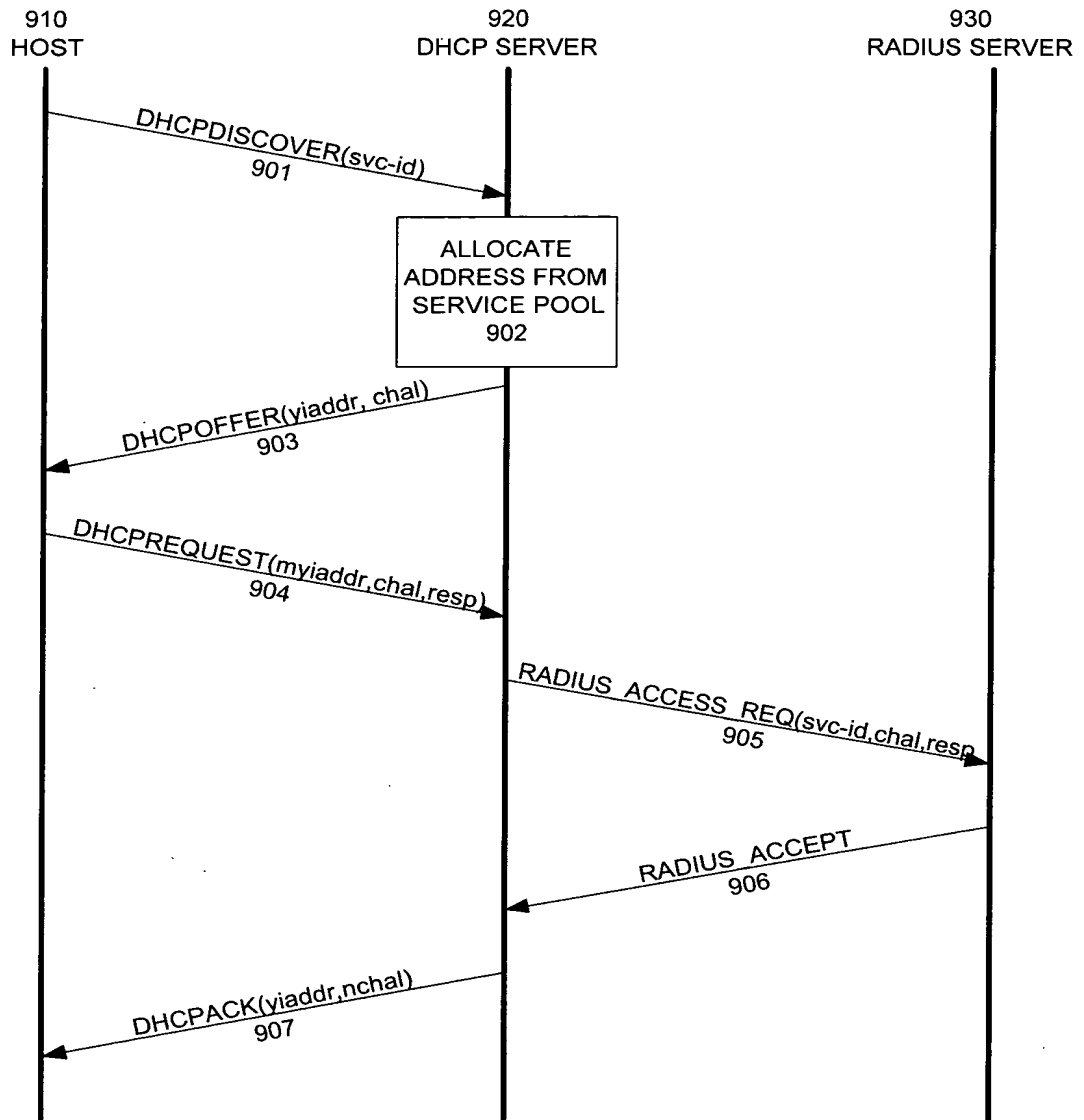


FIG. 9

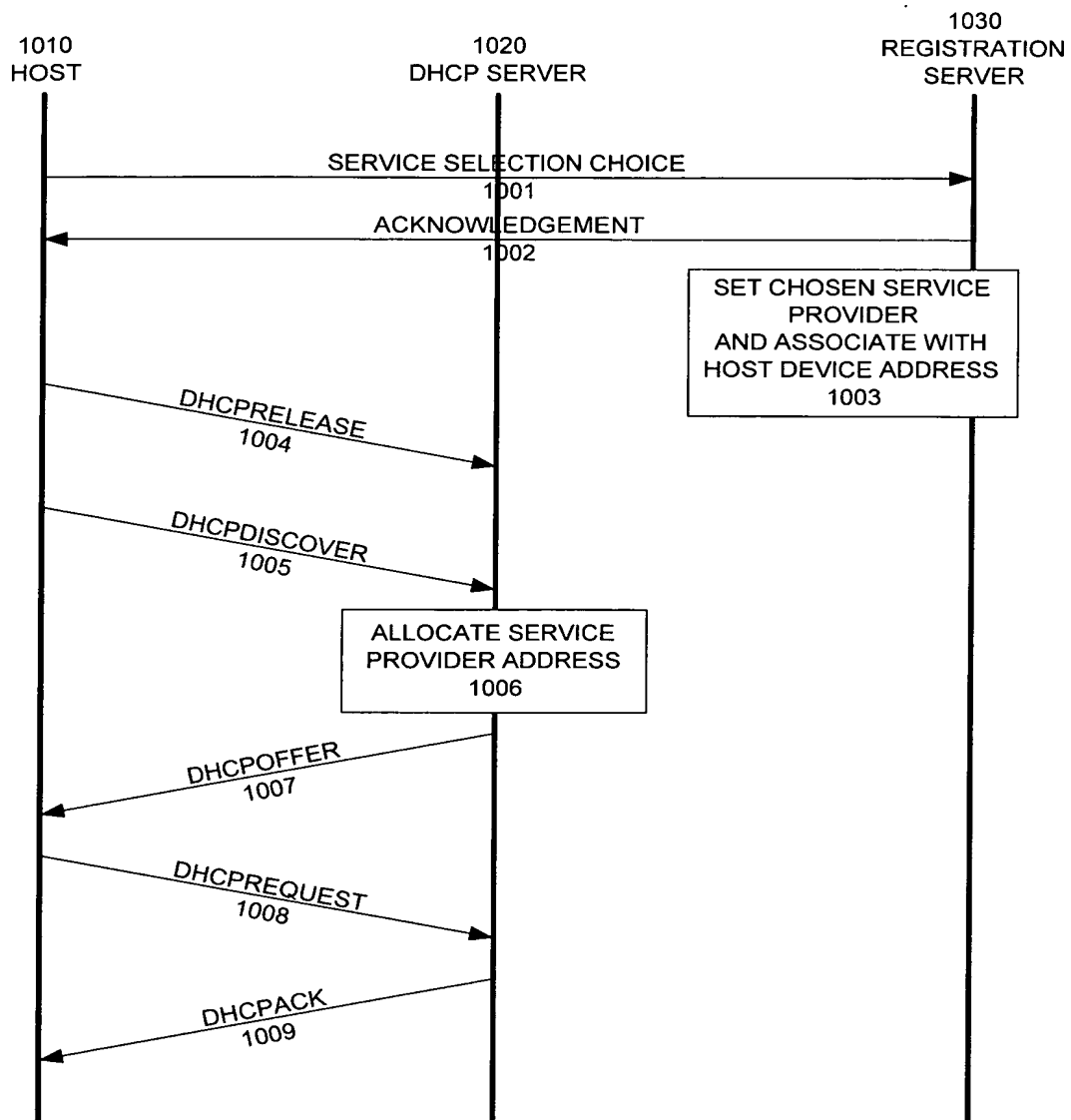


FIG. 10

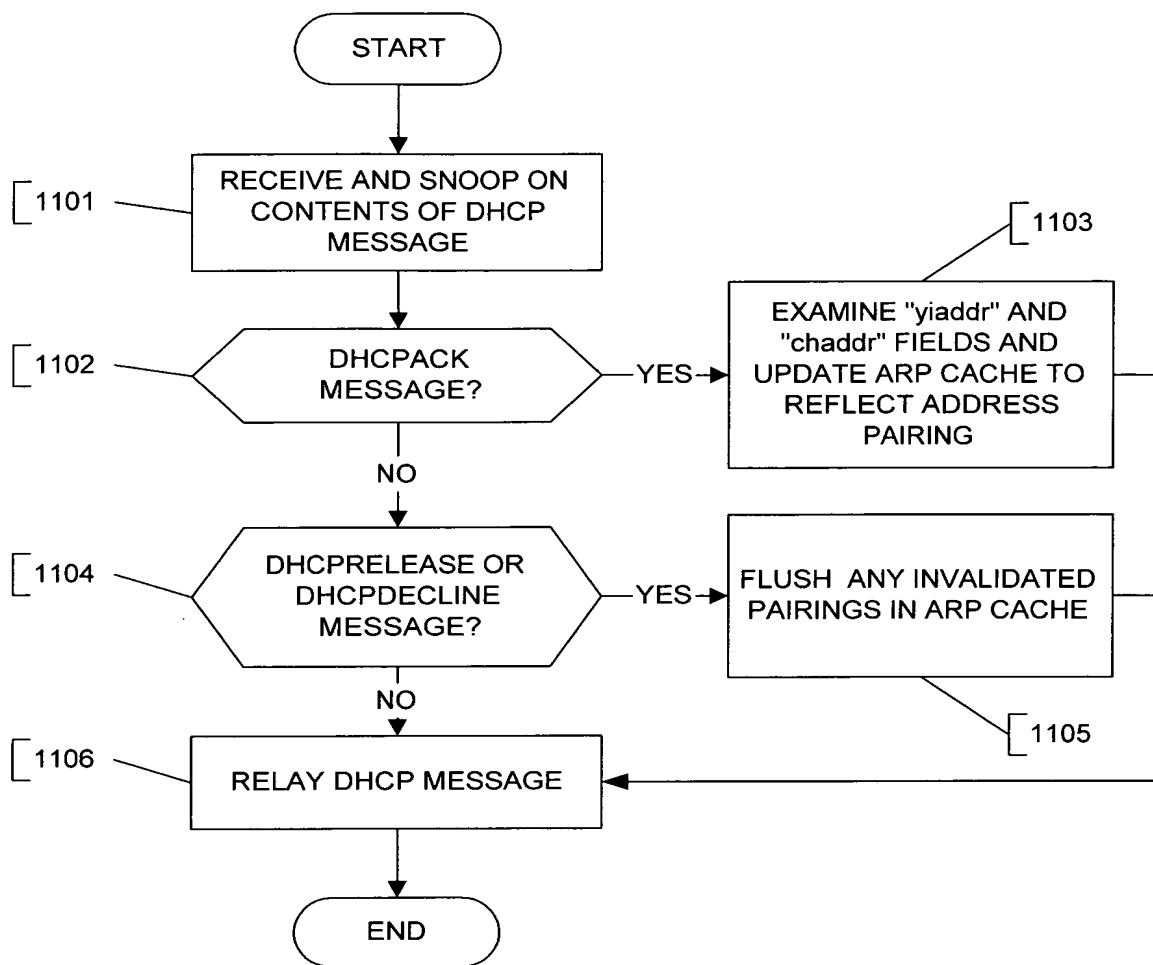


FIG. 11

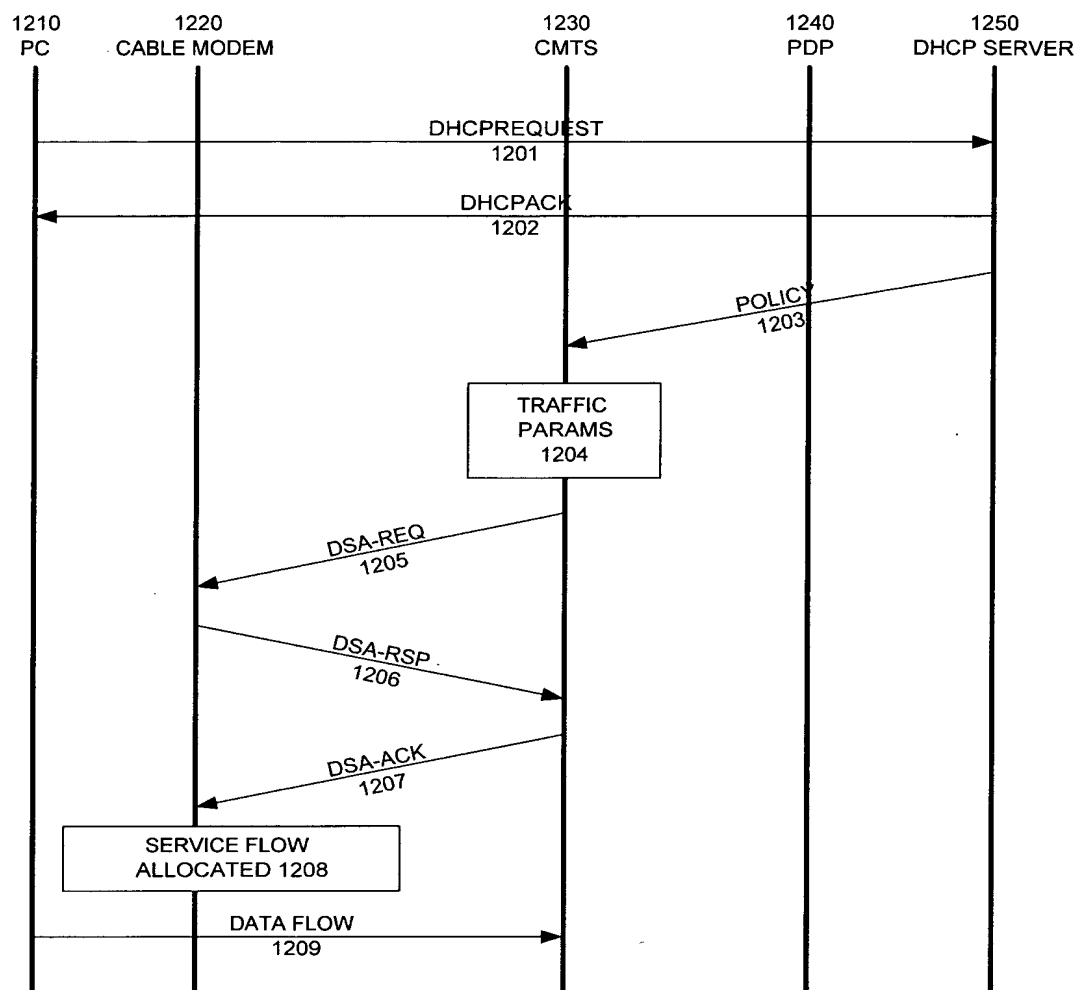


FIG. 12

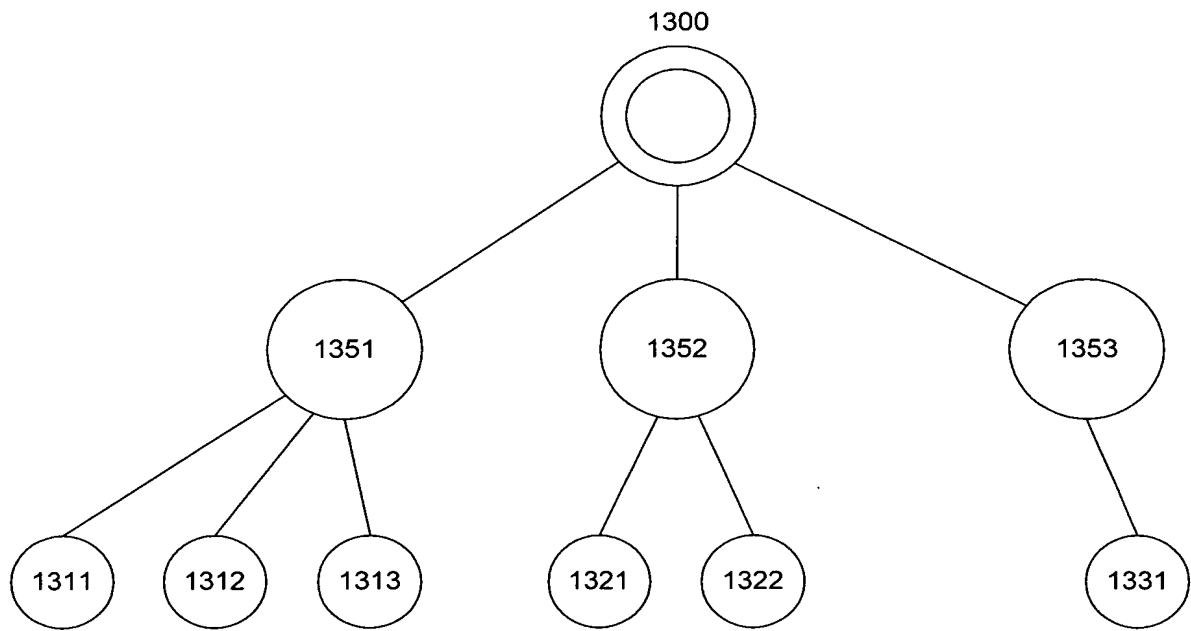


FIG. 13